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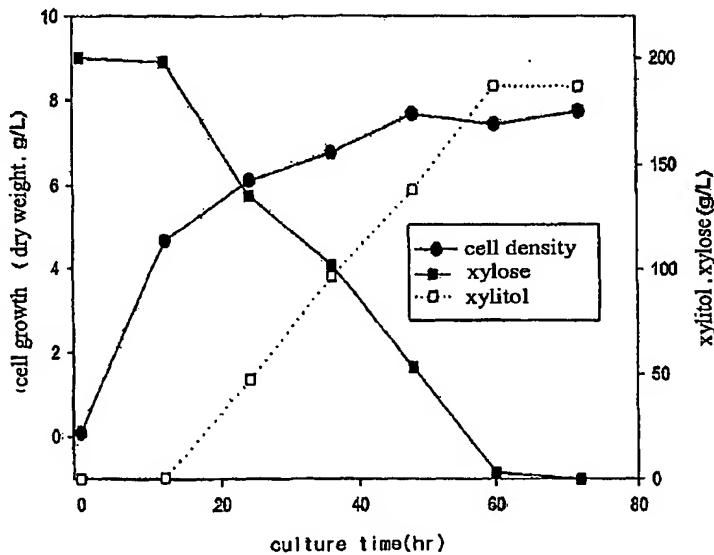
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(54) Title: NOVEL CANDIDA TROPICALIS CJ-FID(KCTC 10457BP) AND MANUFACTURING METHOD OF XYLITOL THEREBY

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(57) Abstract: Provided are a novel *Candida tropicalis* CJ-FID (KCTC 10457BP) derived from honey and a method for producing xylitol using the same. The method includes culturing the *Candida tropicalis* CJ-FID itself or an alginate-immobilized *Candida tropicalis* CJ-FID in a fermentation medium containing high concentration xylose and sucrose to obtain xylitol-containing culture, followed by purification with an activated charcoal column and anion column, to finally obtain a powdery xylitol. Therefore, high purity xylitol can be produced with high yield and productivity.



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